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CENTRAL INTELLIGENCE AGENCY

REPORT NO.

## INFORMATION REPORT

CD NO.

COUNTRY USSR (Kemerovo Oblast)

DATE DISTR. 19 Dec. 1949

SUBJECT Stalinsk Aluminum Plant

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DATE OF INFO.

SUPPLEMENT TO  
REPORT NO.

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1. a. STALINSK (87°00' E/53°45' N) is a new, fast-growing industrial city with approximately 500,000 inhabitants. It is located on the Tom River in the Kuznetsk Basin (Kuzbas), Kemerovo Oblast, east of NOVOSIBIRSK. According to the estimate of source, the city with its numerous industrial plants extends on the eastern and western banks of the Tom River over 12 miles from east to west and about 7 miles from north to south. The Tom River flows through a wide valley only sparsely settled, due to the danger of flood.

b. For location of plant installation see Annex 1.

c. Recorded plant installations:

(1) Aluminum Plant with 8 to 10 large workshops. Labor force approximately 15,000 working in three shifts. (C of Annex 1)

(2) Old power plant (coal dust firing). It has steam turbines. According to indications made by Soviets, its capacity, allegedly is 100,000 kws. (D of Annex 1)

(3) New hydro-power plant. Possibly consists of an old and a new hydro-power plant. According to information of Soviets, they have the following capacity:

Old Power Plant 5,000 kws  
New Power Plant 50,000 kws.

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SOURCE:

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2. a. Location: approximately 3 miles east-northeast of the STALINSK town center, approximately 650 ft. east of the outskirts

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of STALINSK and 6,500 feet east of the road and railroad bridge crossing the Tom River (D of Annex 2).

b. Designation of the plant: "STAZ" (Stalinski Alyuminiyevy Zavod).

c. Plant history: The plant was built during World War II. Expansion was still under way at the time of observation.

d. Plant area: approximately 1,600 x 1,600 feet.

e. For buildings and plant installations, see Annex 3.

f. Working time and labor force: work was done in three shifts of 8 hours each. The number of workmen is not known. Most of the [ ] were building workmen but about 50 [ ] were employed as experts in the plant.

g. Production: aluminum pigs (approximately 20 x 8 x 4 inches).

h. Power supply: The transformer station was connected with the power plant by two overhead transmission installations. Each installation had 4 transmission lines on suspension insulators.

i. Raw materials: Incoming railroad shipments: bauxite in bulk as well as in sacks and barrels. Coal dust briquettes.

j. Outgoing shipments of finished goods left by rail in the direction of STALINSK. No details are available regarding the exact destination.

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SOURCE: [ ]

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3. a. Location: East of STALINSK, about 1 mile east of the Tom River at a railroad line running from STALINSK to the east over a railroad bridge. The power station was located about 1,000 feet east of the plant.

b. Designation: Aluminum Plant.

c. Installations: several conveyor belts were observed at one workshop. No further details are available.

d. Work schedule: 3 shifts.

e. Production procedure: [ ] workshop only in the evening that white hot molten metal was cast.

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f. Production: Aluminum in rods (round, square, triangular, hexagonal rods up to 3 inches in diameter), sheets of 1 to 4 mm gauge in rolls 6 1/2 feet x 32 inches in diameter, grooved sheets in slabs 32 x 60 inches 3 mm gauge. Quantities unknown. The aluminum sheet broke if violently bent during treatment.

g. Outgoing shipments of finished goods left in closed boxcars.

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h. Security: The plant was strictly guarded by MVD sentries in black uniform without numbers.

k. Camouflage: None. The plant lies completely open, with no surrounding built-up area.

SOURCE:

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4. a. Location: Aluminum Plant I was located 3.7 miles east of the STALITSK railroad station, and Aluminum Plant II 1,600 feet east of Aluminum Plant I. In between were the installations of a large power plant.

b. Plant history: Both aluminum plants were built during the war.

c. Plant installations: Aluminum Plant I consisted of 5 or 6 large buildings covering an area of 1,600 x 1,600 feet. Aluminum Plant II consisted mainly of a single large building. It covered an area of 1,000 x 1,000 feet.

(1) The workshops of Aluminum Plant I were built at 100-foot intervals. The plant was connected by double spur tracks with the railroad station and with the town by a road.

(2) Aluminum Plant I had 130 electric smelting tubs; Aluminum Plant II had several smelting furnaces with coal firing.

(3) The installations of both plants were of Soviet make. Power was supplied from the adjacent power plant.

d. Work force: The total work force of both plants numbered about one thousand Soviets and four hundred  working in three 25X1X 8-hour shifts.

e. Raw materials: Source described the raw materials as peculiar silvery-gray rock, porous like coke and rather heavy. Twenty carloads of this raw material arrived daily in platform cars.

f. Production: Pure aluminum bars (24 x 6 x 6 inches).

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 Comment:

a. The four reports confirm and supplement previously reported information on the location of the plant on the right bank of the Tom River east of the town.

b. The figures on the installed capacity of the power plant confirm the assumption indicated in a previous report ("at least 75,000 kws"). The annual aluminum output will scarcely exceed 15,000 tons, as long as the power production facilities are not considerably enlarged or improved. However, no such expansion is clearly indicated so far. The new hydro-power plant could also serve to cover the growing requirements of the large Stalin Ironworks and Rolling Mill.

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c. The report in para 3 confirms that pure aluminum is manufactured into sheets (as indicated in a previous report).

d. Plant I mentioned in report of para 4 is the Electrolytic Department, while Plant II is the Alumina Department.

3 Annexes: STALINSK Aluminum Plant , Kemerovo Oblast  
(Annex 1, 2, 3)

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